

IN THE CLAIMS:

E1

7. (Currently Amended) A method of manufacturing a solid-electrolyte battery comprising:

- forming solid-electrolyte layers on both sides of a positive electrode;
- forming solid-electrolyte layers on both sides of a negative electrode;
- laminating said positive electrode and said negative electrode directly without a separator such that one of said solid-electrolyte layers formed on said positive electrode and one of said solid-electrolyte layers formed on said negative electrode face each other;
- winding said positive electrode and said negative electrode such that another one of said solid-electrolyte layers formed on said positive electrode and another one of said solid-electrolyte layers formed on said negative electrode face each other; and
- subjecting said wound electrodes to heat treatment so that said solid-electrolyte layers formed on said positive electrode and said solid-electrolyte layers formed on said negative electrode are integrated with each other into one continuous seamless layer.

8. (Original) A method of manufacturing a solid-electrolyte battery according to claim 7, wherein said solid-electrolyte layer contains swelling solvent and is gelled.

E2

9. (Currently Amended) The method of claim 7, wherein said wound electrodes are subjected to heat treatment at ~~about~~ 70° C to about 100° C.

10. (Currently Amended) The method of claim 7, wherein said wound electrodes are subjected to heat treatment for ~~about~~ ten minutes.